

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-25. (canceled)

26. (currently amended) An information record medium comprising:

a plurality of content informations;

a plurality of first informations ~~play list sets~~ each defining including a plurality of play list informations each defining a plurality of play item information each defining reproduction sequence of the plurality of content informations; and

second information including address information which designates the part of content informations corresponding to the play item information; and

third ~~title~~ information designating at least one first information ~~play list set~~, which corresponds to the content informations to be reproduced, from among the plurality of first informations ~~play list sets~~ to reproduce the plurality of content informations as a title, the title being a logical information unit of the plurality of content informations,

wherein

the plurality of content informations are collectively recorded as a file which is different from files for recording the plurality of first informations, the second information and the third information,

the second information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the third information,

the third information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the second information.

27. (currently amended) The information record medium according to claim 26, wherein

the ~~title~~third information includes at least one title element, and

the title element includes a first pointer information to designate at least one ~~play list set~~first information corresponding to the content informations to be reproduced.

28. (currently amended) The information record medium according to claim 27, wherein

the title element includes, in addition to the first pointer information, at least one of (i) a first pre-command information to indicate a command to be executed before a reproduction of the content information whose reproduction sequence is defined by one first information ~~play list set~~ designated by the first pointer information, (ii) a first post command information to indicate a command to be executed after a reproduction of the content information whose reproduction sequence is defined by said one first information ~~play list set~~ and (iii) a first next information to designate a title element to be reproduced after the presently reproduced title element.

29. (currently amended) The information record medium according to claim 28, wherein

one play list information defining the plurality of play item information each defining the reproduction sequence of the content information to be reproduced is selected by the first pre-command information, from among the plurality of play list informations included in a same ~~play list~~ first information.

30. (currently amended) The information record medium according to claim 26, further comprising first pre-command information for selecting one play list information defining the plurality of play item information each defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in a same ~~play list~~ first information.

31. (currently amended) The information record medium according to claim 27, wherein

attribute information indicating an inherent attribute is added to each of the plurality of play list informations included in a same ~~play list set~~ first information, and

the title element further includes a selectable flag indicating that one of the plurality of play list informations included in the same first information ~~play list~~ is selectable depending on the attribute information.

32. (currently amended) The information record medium according to claim 27, wherein

the title element further includes selection condition information indicating a selection condition about each of the plurality of play list informations included in a same first information ~~play list set~~.

33. (currently amended) The information record medium according to claim 29, wherein

any one of the plurality of play list informations included in the same ~~play list set~~ first information defines the reproduction sequence of content information capable of composing a same title.

34. (currently amended) The information record medium according to claim 26, wherein

each play list information includes at least one play list element,

the play list element includes a second pointer information to designate the play item information, which is logically accessible reproduction unit and composes the content information.

35. (currently amended) The information record medium according to claim 34, wherein the play list element includes, in addition to the second pointer information, at least one of (i) a second pre-command information to indicate a command to be executed before a reproduction of one play item information designated by the second pointer information, (ii) a second post command information to indicate a command to be executed after the reproduction of said one play item information, and (iii) a second next information to designate a play list element to be reproduced after the presently reproduced play list element.

36. (currently amended) The information record medium according to claim 26, wherein

each of the plurality of ~~play list sets~~first informations includes, in addition to the plurality of play list informations, an item definition table to define the play item information, the play item information being a logically accessible reproduction unit and composing the content informations, and

each of the plurality of play list informations defines the reproduction sequence of the content informations by a unit of the play item information.

37. (currently amended) The information record medium according to claim 34, wherein

the play item information comprises information, which defines a reproduction start address of the content information as in-point information and defines reproduction end address of the content information as out-point information.

38. (previously presented) The information record medium according to claim 26, wherein

a whole stream including a plurality of partial streams made of the plurality of content informations is multiplexed by a packet unit which is a physically accessible unit and stores pieces of the plurality of content informations, and

relationship definition information defining a relationship between packets to be multiplexed and the plurality of partial streams is further recorded, as reproduction control information to control a reproduction of the plurality of content informations.

39. (currently amended) An information record apparatus comprising:

a first record device for recording a plurality of content informations;

a second record device for recording a plurality of ~~play list sets~~first informations each defining ~~including~~ a plurality of play list informations each defining a plurality of play item information each defining reproduction sequence of the ~~plurality of content informations;~~ ~~and~~

a third record device for recording second information including address information which designates the part of content informations corresponding to the play item information;  
and

a ~~third~~ fourth record device for recording ~~title~~ third information designating at least one ~~play list set~~ first information, which corresponds to the content information to be reproduced, from among the plurality of first information ~~play list sets~~ to reproduce the content information as a title, the title being a logical information unit of the content information,

wherein

the plurality of content informations are collectively recorded as a file which is different from files for recording the plurality of first informations, the second information and the third information,

the second information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the third information,



the third information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the second information.

40. (currently amended) An information record method comprising:

a first record process of recording a plurality of content informations;

a second record process of recording a plurality of ~~play list sets~~ first informations each ~~including~~ defining a plurality of play list informations each defining a plurality of play item information each defining reproduction sequence of the ~~plurality of content informations; and~~

a third record process of recording second information including address information which designates the part of content informations corresponding to the play item information; and

a ~~third~~ fourth record process of recording ~~title~~ third information designating at least one first information ~~play list set~~, which corresponds to the content information to be reproduced, from among the plurality of first information ~~play list sets~~ to reproduce the content information as a title, the title being a logical information unit of the content information,

wherein

the plurality of content informations are collectively recorded as a file which is different from files for recording the plurality of first informations, the second information and the third information,

the second information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the third information,

the third information is collectively recorded as a file which is different from files for recording the plurality of content informations, the plurality of first informations and the second information.

41. (currently amended) An information reproduction apparatus for reproducing the information record medium according to claim 26, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of first informations, ~~play list sets~~ the second information and the third~~-title~~ information; and

a control device for (i) selecting at least one play list set designated by the ~~title~~third information reproduced by the reproduction device, from among the plurality of first informations ~~play list sets~~ reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by ~~one play list information~~ the plurality of play item informations, defining the reproduction sequence of the content information to be reproduced, which are defined by one play list information, from among the plurality of play list informations included in the selected ~~play list set~~ first information.

42. (currently amended) An information reproduction apparatus for reproducing the information record medium according to claim 29, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of ~~play list sets~~ first informations, the second information and the ~~title~~ third information; and

a control device for (i) selecting at least one ~~play list set~~ first information designated by the ~~title~~ third information reproduced by the reproduction device, from among the plurality of ~~play list sets~~ first informations reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the plurality of play item informations, ~~one play list information~~ defining the reproduction sequence of the content information to be reproduced, which are defined by one play list information, from among the plurality of play list informations included in the selected first information ~~play list set~~, wherein

the control device selects said one play list information from among the plurality of play list informations included in the selected first information ~~play list set~~, on the basis of the first pre-command information.

43. (currently amended) An information reproduction apparatus for reproducing the information record medium according to claim 31, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of ~~play list sets~~ first informations, the second information and the third ~~title~~ information; and

a control device for (i) selecting at least one first information ~~play list set~~ designated by the third title information reproduced by the reproduction device, from among the plurality of first informations ~~play list sets~~ reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the plurality of play item informations, ~~one play list information~~ defining the reproduction sequence of the content information to be reproduced, which are defined by one play list information, from among the plurality of play list informations included in the selected first information ~~play list set~~, wherein

the control device selects said one play list information from among the plurality of play list informations included in the selected first information ~~play list set~~, on the basis of the attribute information, if it is indicated by the selectable flag that the play list information is selectable.

44. (currently amended) An information reproduction apparatus for reproducing the information record medium according to claim 32, said apparatus comprising:

a reproduction device capable of reproducing the plurality of content informations, the plurality of ~~play list sets~~ first informations, the second information and the title third information; and

a control device for (i) selecting at least one ~~play list set~~ first information designated by the ~~title~~ third information reproduced by the reproduction device, from among the plurality of ~~play list sets~~ first informations reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by the plurality of play item informations, ~~one play list information~~ defining the reproduction sequence of the content information to be reproduced, which are defined by one play list information, from among the plurality of play list informations included in the selected ~~play list set~~ first information, wherein

the control device selects said one play list information from among the plurality of play list informations included in the selected ~~first information~~ ~~play list set~~, on the basis of the selection condition information.

45. (currently amended) An information reproduction method of reproducing the information record medium according to claim 26, said method implemented with an information reproduction apparatus comprising a reproduction device capable of reproducing the plurality of content informations, the plurality of first informations, the second information ~~play list sets~~ and the third ~~title~~ information, said method comprising:

a first control process of selecting at least one first information ~~play list set~~ designated by the third title information reproduced by the reproduction device, from among the plurality of ~~play list sets~~ first informations reproduced by the reproduction device, and

a second control process of controlling the reproduction device to reproduce the plurality of content informations in accordance with the reproduction sequence defined by ~~one play list information~~ the plurality of play item informations, defining the reproduction sequence of the content information to be reproduced, which are defined by one play list information, from among the plurality of play list informations included in the selected first information ~~play list set~~.

46. (currently amended) A computer readable recording medium recording thereon a computer program for a record control to control a computer disposed at the information record apparatus according to claim 39, said program making the computer function as at least a part of the first record device, the second record device, ~~and the third record device~~ and the fourth record device.

47. (currently amended) A computer readable recording medium recording thereon a computer program for a reproduction control to control a computer disposed at the information reproduction apparatus according to claim 41, said program making the computer function as at least a part of the reproduction device and the control device.

48. (cancelled)